

## EXPLANATIONS AND OPERATING PROCEDURES FOR THE NEST DATA SPREADSHEET

This Nest Data Sheet was developed to assist with the task of recording and reporting data required by your permit from SCDNR. Data from your nest protection project is used in evaluating statewide management efforts and in meeting Recovery Plan goals. Your help in ensuring the accuracy of the data and in developing this standardized process is valued. This revised format will provide an easier method for entering data and arriving at your summary results. It also enables SCDNR to more easily combine and analyze the information for the entire state.

Please feel free to contact the SCDNR office at (843) 953-9015 if you have any questions or experience any difficulties with the Nest Data Sheet.

### **Please note the following:**

1. If you are NOT planning to enter the data in a computer, and instead plan to write the data on blank Nest Data Sheets please contact us as soon as possible. (We hope that one of your project participants will have access to a computer and to the necessary software.)
2. The file has been saved in the lowest version of Excel we have. If you still have difficulty with it on your software, please let us know and we will try to help. If you use other software or a MAC computer please contact us for an alternative.
3. The spreadsheet has 5 components:
  - a. Beach name and year entry headings
  - b. Blank columns for data entry
  - c. Formula columns (columns J, O, P, U, AA, AB, and AC have automatically calculated formulas)
  - d. Last row with grand totals (row 301, separated by the double lines, has automatically calculated formulas)
  - e. Summary boxes (have automatically calculated formulas)
4. Follow the instructions for each column as specified in the attached table. In columns C, G, H, R and S, enter only "X" when applicable. Enter only numerical values in all other data columns. (If you wish to maintain other descriptive or more specific information, use the area *outside* the spreadsheet or column B.)
5. Do **NOT** attempt to 'clear' or alter any of the cells in columns J, O, P, U, AA, AB, or AC, the last row with grand totals, or the summary boxes. These cells contain formulas that automatically analyze the data you enter, and are essential for accurate and standardized functioning of the sheet.
6. The last row with grand totals and the summary boxes will update calculations as each nest is entered.

7. The spreadsheet contains 300 formatted rows, **one for each nest**. The majority of the projects have fewer than 300 nests. (If you need assistance with printing only the pages containing your data please contact Erin at 843-953-9015.)
8. At the end of the season, please provide **both** a printed copy of the data sheet and a diskette or CD with the data. You may also email the files into the DNR office.
9. **IMPORTANT NOTE:** For nests impacted by depredation, storm inundation, or erosion follow the steps below.
  - a. If a **RELOCATED** nest was **TOTALLY destroyed**:  
Take value in column E minus the value in column F and enter the result in column L. (The formula in column P will give a zero percent hatch success.)
  - b. If an **IN SITU** nest was **TOTALLY destroyed**:  
Take 120 (the average clutch size for SC) minus the value in column Q and enter the result in column X. (The formula in column AC will give a zero percent hatch success.)
  - c. Delete from the data sheet any *In situ* nest that was partially destroyed. If a nest was partially destroyed after relocation, it should be included. However, a nest that was partially destroyed AND then relocated should not be included on the data sheet.

**Important Note:**  
**For nests impacted by depredation, storm inundation or erosion.**

<p style="text-align: center;"><b>Relocated Nest- Totally Destroyed</b></p> <p style="text-align: center;">Take Col. E: Eggs laid  <b>Minus</b> Col. F: Eggs lost to probing  <b>Enter</b> in Col. L: Unhatched Eggs          (Col. P formula result: 0% hatch success)</p>	<p style="text-align: center;"><b>In Situ Nest- Totally Destroyed</b></p> <p style="text-align: center;">Use 120: Avg Clutch Size for SC  <b>Minus</b> Col. Q: Eggs lost to probing  <b>Enter</b> in Col. X: Unhatched Eggs          (Col. AC formula result: 0% hatch success)</p>
<ol style="list-style-type: none"> <li>1. <b>Remove</b> from spreadsheet any <i>In Situ</i> nest that was <b>partially destroyed</b>. Likewise, do not include a nest that was <b>partially destroyed and then relocated</b>.</li> <li>2. <b>Include</b> on spreadsheet any nest <b>partially destroyed after relocation</b>.</li> </ol>	

**10. Some Simple Computer Steps:**

- a. To move from the top of the spreadsheet to the summary data at the end: Hold the **Ctrl** key down and at the same time press the **End** key. By the same token, pressing **Ctrl** and **Home** will take you up to the top of the sheet.
- b. To move to column A (left side of sheet) along any row: Press **Home** without the Ctrl key.

- c. If you would like to see the column headings at all times when entering your data, do the following:
- Click** in the first cell in column A immediately below the headings.
  - Then **click** on Window in the standard tool bar.
  - Click** on Freeze Panes.
  - Follow the same procedure to Unfreeze Panes.

<b>A</b>	<b>Nest Number:</b> Number the nests in the order they are found. Use numbers 1, 2, 3, even if you use your own numbering system elsewhere. Use one row for each nest.
<b>B</b>	<b>Additional Data:</b> Use to record pertinent data for your own use, such as location.
<b>C</b>	<b>Trial Nest:</b> For your own use. No DNR trials for 2003.
<b>D</b>	<b>Date Laid:</b> Enter the date using numbers only (mm/dd/yy) for the MORNING after the nest is laid. For example: You walk the beach at daybreak on May 15, 2001, and find a crawl from the previous night. Date entered is 5/15/01.
<b>E</b>	<b>No. of Eggs Laid:</b> Applies to <u>relocated</u> nests only. All eggs found (including any broken during probing).
<b>F &amp; Q</b>	<b>Eggs Lost Probing:</b> Self-explanatory.
<b>G &amp; R</b>	<b>Depredation (X):</b> Place an "X" in the column if the nest had RACCOON or FOX depredation. DO NOT include depredation by ghost crabs.
<b>H &amp; S</b>	<b>Storm Innundation or Erosion:</b> Place an "X" in the column if the nest was impacted by storms or eroded away.
<b>I &amp; T</b>	<b>Date of First Emergence:</b> Enter the date using numbers only (mm/dd/yy) for the MORNING the hatchling tracks were first observed. For example: You walk the beach at daybreak on August 15, 2001, and find a nest with its very first hatchling tracks from the previous night. Date entered is 8/15/01.
<b>J &amp; U</b>	<b>Incubation Duration:</b> DO NOT ENTER IN THIS COLUMN. Formula automatically works out this value for each nest
<b>K &amp; V</b>	<b>Date Inventoried:</b> Enter the date using numbers only (mm/dd/yy).
<b>W</b>	<b>No. of Shells:</b> Applies to <u>In Situ</u> nests only. Self-explanatory. See Guidelines for details.
<b>L &amp; X</b>	<b>Unhatched Eggs:</b> Enter all unhatched eggs, including pipped eggs. REFER TO NOTE 9 ON PAGE 2 FOR SPECIAL INSTRUCTIONS.
<b>M &amp; Y</b>	<b>Dead Hatchlings:</b> Enter the number of dead hatchlings found <u>inside</u> the nest only.
<b>N &amp; Z</b>	<b>Live Hatchlings:</b> Enter the number of live hatchlings found <u>inside</u> the nest only.
<b>AA</b>	<b>No. Eggs Laid:</b> DO NOT ENTER IN THIS COLUMN. Formula automatically works out this value for each nest.

<b>O &amp; AB</b>	<b>Total Live Hatchlings:</b> DO NOT ENTER IN THIS COLUMN. Formula automatically works out this value for each nest.
<b>P &amp; AC</b>	<b>% Hatch Success:</b> DO NOT ENTER IN THIS COLUMN. Formula automatically works out this value for each nest

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